



**RE: PH Data question**

**Laura Jones** to: Kristine Koch, TARNOW.Karen, akoulermos,  
dawns, LindaSC, cstivers

06/07/2007 10:23 AM

History:

This message has been replied to and forwarded.

Thanks Kristine. Ginna didn't comment about field QC. Could you inquire with her again to find out her perspective including a field replicate from the additional sediment. We may have sufficient mass for lab QC and field QC, without limiting the sample size and increasing the detection limits, but since we are not sure of the final mass, it would be helpful to have Ginna's input on inclusion of a field replicate.

Thanks. Laura

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-----Original Message-----

From: Koch.Kristine@epamail.epa.gov  
[mailto:Koch.Kristine@epamail.epa.gov]  
Sent: Thursday, June 07, 2007 10:19 AM  
To: TARNOW.Karen@deq.state.or.us;  
akoulermos@newfields.com;  
dawns@bes.ci.portland.or.us;  
LindaSC@BES.CI.PORTLAND.OR.US; Laura Jones;  
cstivers@anchorenv.com  
Subject: Fw: PH Data question


Carl et al. Here is Gina's response.

Kristine Koch

Remedial Project Manager  
USEPA, Office of Environmental Cleanup  
1200 Sixth Avenue, M/S ECL-115  
Seattle, WA 98101  
(206)553-6705  
(206)553-0124 (fax)  
1-800-424-4372 extension 6705 (M-F, 8-4 Pacific Time,  
only)  
----- Forwarded by Kristine Koch/R10/USEPA/US on  
06/07/2007 10:17 AM  
-----

To Gina  
Grepo-Grove/R10/  
USEPA/US  
Kristine  
Koch/R10/USEPA/US@EPA  
06/06/2007 11:55  
cc AM  
Subject  
Re: PH Data  
question(Document  
link: Kristine  
Koch)

Hi, Kristine,

  
These are my answers to  
your questions:

(1) Lab QA/QC is required. Half of the volume could  
be used for QA/QC  
samples (MS,MSD & duplicates).

(2) using half of volume for sample analyses is OK if  
the MRLs though  
doubled will still meet target DLs for the project.

Just holler if you have more questions.

Ginna Grepo-Grove  
(206) 553-1632  
Grepo-Grove.Gina@EPA.GOV

Kristine  
Koch/R10/USEPA/U

To S  
Gina  
Grepo-Grove/R10/USEPA/US@EPA  
06/04/2007 12:08  
cc  
PM  
Subject  
PH Data  
question

Gina - LWG has gathered stormwater samples and has found that for the solids (see attached spreadsheet, 3rd tab) there is not enough sample to analyze for all contaminants. The first question they would like answered is whether it is necessary to have field/lab QA/QC or can this sample be used for additional analysis and the second question they have is if it is ok to use half the volume and double the detection limits. I have my own personal opinion on this, but I wanted to see what you have to say. A response by Wednesday would be great since they are preparing the samples for analysis (expected to be this Friday). I'm around if you'd like to discuss.

Thanks.

Kristine Koch  
Remedial Project Manager  
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1-800-424-4372 extension 6705 (M-F, 8-4 Pacific Time, only)  
----- Forwarded by Kristine Koch/R10/USEPA/US on  
06/04/2007 12:00 PM  
-----

"Carl Stivers"  
<cstivers@anchor  
env.com>  
To  
Kristine

Koch/R10/USEPA/US@EPA,	
06/01/2007 09:49	"Dawn Sanders"
AM	
<DAWNS@BES.CI.PORTLAND.OR.US> ,	
Koulermos"	"Andy
<akoulermos@newfields.com> ,	
Spencer"	"Amanda
<aspencer@ashcreekassociates.com>	
Linda"	, "Scheffler,
<LindaSC@BES.CI.PORTLAND.OR.US> ,	
	"Laura Jones"
<ljones@integral-corp.com> ,	
E"	"TARNOW Karen
<TARNOW.Karen@deq.state.or.us>	
cc	
Shellenberger"	"Amanda
<ashellenberger@anchorenv.com> ,	
	"Jim McKenna"
<jim.mckenna@portofportland.com> ,	
Applegate"	"Rick
<RICKA@BES.CI.PORTLAND.OR.US> ,	
<rjw@nwnatural.com> , "Valerie	
<voster@anchorenv.com>	Oster"
Subject	
Reminder	SW Tech Team

Stormwater Technical Team -

Just a reminder that we are having a call on Monday  
June 4 starting at  
11 am. Call in number is:

Non-Responsive

Non-Responsive

As requested during the last call, attached is a matrix estimating the completeness of our sampling program to date. Per last meeting, we would like to spend a good chunk of time discussing the group's view of this sample set as it relates to the original objectives set forth in the Stormwater FSP Rationale which are stated below (with some text explanation of how the data will be used excerpted).

\* Stormwater contribution to fish tissue burdens: "Thus, it is necessary to determine the relative contribution of stormwater (as compared to other sources) to surface water concentrations of selected chemicals in the harbor. For stormwater, this would be done in terms of loading estimates."

\* Stormwater contribution to recontamination potential: "To predict whether sediments would recontaminate at levels above the PRGs that will eventually be set for the Site, estimates of stormwater loads are needed for input into estimation tools and models described in Section 1.3; these load estimates must be on a spatial scale consistent with those estimation tools and models. The load estimates should be accompanied by partitioning measurements to assist in the estimation of chemical mass associated with particulates (that may settle to the sediment bed) versus dissolved mass."

We should also cover the action items discussed in the last call:

\* Sediment trap sampling at WR-22 OSM was conducted (the sample available appears to be a little more than estimated previously)

\* Archival of other existing bottles from any sediment trap with more than trace amounts

\* Schedule and budget implications of extended spring stormwater sampling program

\* Additional potential modifications to sediment traps

o Lower traps at Siltronics

o Propose sampling Arkema catchbasin sediments

\* Proposed efficient batching for issuance of validated data to interested parties. All dates are subject to laboratories meeting deadlines, which they don't sometimes! Also, note that we typically do not release data in this manner to government team, so we are seeking approval from LWG to release data approximately on these dates.

o Stormwater Group 1 - Data from the March 26, April 9, and April 18 stormwater sampling events - mid-June

o Stormwater Group 2 - Data from the April 23rd and May 3rd sampling events - mid-August

o Stormwater/Sediment Group 3 - Grab samples from May 21st event, any subsequent stormwater events, and sediment trap samples - Late September or mid-October.

Thanks. Talk to you all at the call.

<<Stormwater Matrix for Stormwater Tech Group\_LJ\_5312007CES.xls>>

Carl

Carl Stivers  
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---

From: Carl Stivers  
Sent: Friday, May 25, 2007 9:26 AM  
To: 'Koch.Kristine@epamail.epa.gov'; 'Dawn Sanders'; 'Andy Koulermos'; 'Amanda Spencer'; 'Scheffler, Linda'; 'Laura Jones'; 'TARNOW Karen E'  
Cc: Amanda Shellenberger; 'Jim McKenna'; 'Rick Applegate'; 'rjw@nwnatural.com'; Valerie Oster  
Subject: Potential Sediment Trap Modifications

<< File: Sediment Traps with Modification  
NotesAG5.23.xls >> SW Tech  
Team -

One action item from our last call was for Anchor to review each sediment trap installation and look for any other modifications that might help with sediment collection. Attached is a spreadsheet that updates the status of each trap and a final column that discusses modification issues. Our two clear recommendations are highlighted in pink in this column, which are:

\*       Reset the traps at Siltronics lower to hopefully have them underwater 100% of the time. Right now they are

probably underwater 90%  
of the time.

\* Collect sediments from around the traps at  
Arkema.

I know we have discussed this last potentiality and  
decided against it  
quite a few times. However, given the availability  
of the sediments and  
complete lack of sediments in the traps, this seems  
like a prudent step,  
so that we can at least qualitatively evaluate what  
is potentially  
present in this system. I think a highly qualified  
data point is  
probably preferable to no data point here. Also, we  
can decide how to  
use or not use the information after the fact.

Please reply to all if you have objections to the  
above two actions,  
and/or have additional actions to propose. Thanks.

Carl

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---

From: Carl Stivers  
Sent: Friday, May 18, 2007 2:29 PM  
To: 'Koch.Kristine@epamail.epa.gov'; 'Dawn Sanders';  
'Andy Koulermos';  
'Amanda Spencer'; 'Scheffler, Linda'; 'Laura Jones';  
'TARNOW Karen E'  
Cc: Amanda Shellenberger; 'Jim McKenna'; 'Rick  
Applegate';  
'rjw@nwnatural.com'; Valerie Oster  
Subject: Notes from May 18 call and June 4 Stormwater  
Technical Team  
Conf. Call Non-Responsive

Stormwater Technical Team -

Here are the highlights from today's conference call.  
Let me know if I  
missed anything critical. It was agreed to have the  
next call at 11 am  
June 4. Same number (see subject line).

Other meeting action items/decisions were:

\* Sample sediment traps that have 100% or more  
the required volume  
when they meet their 3 month anniversary dates. This  
includes

o WR-22(OSM) - Sample May 22

o OF-M1 - Sample June 8

o OF-M2 - Sample June 8

\* Remove existing bottles from any sediment  
trap with more than  
trace amounts of sediment, replace with clean  
bottles, and sample and  
archive available sediments. This will most probably  
be conducted next  
week.

\* Extend the sediment trap sampling period  
through the end of June  
and continue to look for stormwater events in this  
period. Access  
agreements at all sites allow for access through this  
period.

\* LWG to discuss internally the value of conducting high volume sampling for sediments at some sites or other extraordinary measures now versus utilizing that budget for gap sampling in the fall. This is contingent upon impacts to schedule of any fall activities, which needs to first be determined.

\* LWG consultants to review each sediment trap site again to see if there any additional modifications that can be used to maximize sediment collection at any of the lagging sites.

\* LWG Consultants to review all the samples collected to date to understand better what the likely data gaps from the originally envisioned program could be.

\* LWG consultants will review sampling events and propose an efficient batching for issuance of validated data to interested parties in stages (rather than waiting to the end of all sample collection).

\* These last four items will be discussed at the next meeting. The data gaps analysis will be used by the Stormwater Technical Team to start to develop an opinion on the adequacy of the likely data set for meeting objectives set forth in the FSP.

Thanks.

Carl

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-----Original Message-----

From: Carl Stivers

Sent: Friday, May 18, 2007 12:55 PM

To: Carl Stivers; Koch.Kristine@epamail.epa.gov; Dawn Sanders; Andy

Koulermos; Amanda Spencer; Scheffler, Linda; Laura Jones; TARNOW Karen E

Cc: Amanda Shellenberger; Jim McKenna; Rick

Applegate;

rjw@nwnatural.com; Valerie Oster

Subject: RE: Stormwater Technical Team Conf. Call

Non-Responsive

Stormwater Tech Team -

I looked back at our last call date and realized the stormwater sample matrix has been updated since then. I have attached the long version (which you've seen before) and a summary version, which helps me see the whole picture in one page. FYI.

Carl

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-----Original Message-----

From: Carl Stivers

Sent: Thursday, May 17, 2007 3:47 PM

To: 'Koch.Kristine@epamail.epa.gov'; Dawn Sanders;  
Andy Koulermos;  
Amanda Spencer; Scheffler, Linda; Laura Jones; TARNOW  
Karen E

Cc: Amanda Shellenberger; Jim McKenna; Rick  
Applegate;  
rjw@nwnatural.com; Valerie Oster

Subject: RE: Stormwater Technical Team Conf. Call  
Non-Responsive

Stormwater Tech Team -

Please see the attached status table on sediment traps for discussion during our conf. call tomorrow at 1 pm.

It continues to be dry, so there is no update to the stormwater collection. It's the same as last time.

Thanks.

Carl

Carl Stivers

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